

APPENDIX 9. 2001 ACRONYMS

ACE–Asia	Aerosol Characterization Experiment–Asia
ACMAP	Atmospheric Chemistry Modeling and Analysis Program
ACS	American Chemical Society
ADEOS	Advanced Earth Observation Satellite
AERONET	Aerosol Robotic Network
AETD	Applied Engineering and Technology Directorate
AGCM	Atmospheric Global Circulation Model
AIRS	Atmospheric Infrared Sounder
AMS	American Meteorological Society
AMSR	Advanced Microwave Scanning Radiometer
AMSU	Advanced Microwave Sounding Unit
ARM	Atmospheric Radiation Measurement
ARM CART	ARM Cloud and Radiation Test Bed
AROTEL	Airborne Raman Ozone, Temperature, and Aerosol Lidar
AT Lidar	Aerosol and Temperature Lidar
ATMS	Advanced Technology Microwave Sounder
ATOVS	Advanced TOVS
AVHRR	Advanced Very High Resolution Radiometer
AVIRIS	Airborne Visible/Infrared Imaging Spectrometer
BUV	backscatter ultraviolet
CALIPSO	Cloud-Aerosol Lidar and Infrared Pathfinder Satellite Observations
CAMEX	Convection And Moisture EXperiment
CCAST	Cooperative Center for Atmospheric Science and Technology
CCD	Convective Cloud Differential
CDC	Centers for Disease Control and Prevention
CEAS	Center for Earth-Atmosphere Studies
CEDAR	Coupling, Energetics and Dynamics of Atmospheric Regions
CERES	Clouds and the Earth's Radiant Energy System
CFCs	Chlorofluorocarbons
CHyMERA	Compact Hyperspectral Mapper for Environmental Remote Sensing Applications
CIFAR	Cooperative Institute for Atmospheric Research
CIMMS	Cooperative Institute of Meteorological Satellite Studies
CLAMS	Chesapeake Lighthouse and Aircraft Measurements for Satellites
CLIVAR	Climate Variability and Predictability Programme
CNES	Center Nationale d'Etude Spatiales
Co-I	Co-Investigator
CONTOUR	Comet Nucleus Tour
COVIR	Compact Visible and Infrared Radiometer
CPL	Cloud Physics Lidar
CrIS	Crosstrack Infrared Sounder
CRS	Cloud Radar System
CRYSTAL/FACE	Cirrus Regional Study of Tropical Anvils and Cirrus Layers/Florida Area Cirrus Experiment
CSIRO	Commonwealth Scientific Industrial Research Organization
CSTEA	Center for the Study of Terrestrial and Extraterrestrial Atmospheres

2001 ACRONYMS

CTM	Chemical Transport Model
DAAC	Distributed Active Archive Center
DAO	Data Assimilation Office
DAS	Data Assimilation System
DDF	Director's Discretionary Fund
DIAL	DIfferential Absorption Lidar
DISS	Distributed Image Spreadsheet
DMSP	Defense Meteorological Satellite Program
DWP	Doppler Wind Lidar
ECS	EOSDIS Core System
ECSO	Executive Committee for Science Outreach
EDOP	ER-2 Doppler Radar
EDR	Environmental Data Record
EMC	NCEP's Environmental Modeling Center
ENSO	El Niño Southern Oscillation
ENVISAT	Environmental Satellite
EOS	Earth Observing System
EO3	Earth Observing 3 mission called GIFTS
EP-TOMS	Earth Probe TOMS
EPA	Environmental Protection Agency
EPIC	Earth Polychromatic Imaging Camera
ERBE	Earth Radiation Budget Experiment
ERBE TOA	Earth Radiation Budget Experiment Top-Of-Atmosphere
ESA	European Space Agency
ESE	Earth Science Enterprise
ESSIC	Earth System Science Interdisciplinary Center
ESSP	Earth System Science Pathfinder
E-Theater	Electronic Theater
FFPA	filter/focal plane array
FvDAS	Finite volume data assimilation system
GATE	GARP Atlantic Tropical Experiment
GCE	Goddard Cumulus Ensemble model
GCM	General Circulation Model
GCMS	Gas Chromatograph Mass Spectrometer
GEOS	Goddard Earth Observing System
GEST Center	Goddard Earth Sciences and Technology Center
GEWEX	Global Energy and Water Cycle Experiment
GIFTS	Geosynchronous Imaging Fourier Transform Spectrometer
GISS	Goddard Institute for Space Studies
GLAS	Geoscience Laser Altimeter System
GLOBE	Global Learning and Observations to Benefit the Environment
GLOW	Goddard Lidar Observatory for Winds
GMS	Geostationary Meteorological Satellite
GOCART	Global Ozone Chemistry Aerosol Radiation Transport
GOES	Geostationary Operational Environmental Satellite
GoHFAS	Goddard Howard University Fellowship in Atmospheric Sciences
GOME	Global Ozone Monitoring Experiment
GPCP	Global Precipitation Climatology Project
GPM	Global Precipitation Mission

GPS	Global Positioning Satellite
GSCF	Goddard Space Flight Center
GSRP	Graduate Student Researchers Program
GSWP	Global Soil Wetness Project
GTE	Global Tropospheric Experiment
GTWS	Global Tropospheric Wind Sounder
GV	Ground Validation
GVP	Ground Validation Program
HARLIE	Holographic Airborne Rotating Lidar Instrument Experiment
HBCUs	Historically Black Colleges and Universities
HDTV	High Definition TV
HIRDLS	High Resolution Dynamics Limb Sounder
HIRS	High Resolution Infrared Sounder
HOTS	Holographic Optical Telescope and Scanner
HSB	Humidity Sounder Brazil
HU	Howard University
HUPAS	Howard University Program in Atmospheric Sciences
IAMAS	International Association of Meteorology and Atmospheric Sciences
ICESat	Ice, Cloud, and Land Elevation Satellite
IGS	Internal Government Studies
IHOP	International H2O Project
IIP	Instrument Incubator Program
INDOEX	Indian Ocean Experiment
INMS	Ion and Neutral Mass Spectrometer
IORD	Integrated Operational Requirements Document
IPCC	International Panel on Climatic Change
IPO	Integrated Program Office
IR	infrared
ISAS	Institute of Space and Aeronautical Science
ISCCP	International Satellite Cloud Climatology Project
ISIR	Infrared Spectral Imaging Radiometer
ITCZ	Intertropical Convergence Zone
JARG	Joint Agency Requirements Group
JCET	Joint Center for Earth Systems Technology
JCG	Joint Center for Geoscience
JCOSS	Joint Center for Observation System Science
JCSDA	Joint Center for Satellite Data Assimilation
JHU/APL	Johns Hopkins University Applied Physics Laboratory
JIESIC	Joint Interdisciplinary Earth Science Information Center (with George Mason University)
JPL	Jet Propulsion Laboratory
KAMP	Keys Area Microphysics Project
KWAJEX	Kwajalein Experiment
LaRC	Langley Research Center
LAS	Leonardo Airborne Simulator
LASAL	Large Aperture Scanning Airborne Lidar
LRR	Lightweight Rainfall Radiometer
MBA	microbolometer array
MEIDEX	Mediterranean Israeli Dust Experiment

2001 ACRONYMS

MISR	Multi-Angle Imaging Spectroradiometer
MIT	Massachusetts Institute of Technology
MM5	Mesoscale Model 5
MODIS	Moderate Resolution Imaging Spectroradiometer
MOPITT	Measurements of Pollution in the Troposphere
MPL	Micro Pulse Lidar
MPL-Net	Micro Pulse Lidar Network
MSU	Microwave Sounding Unit
MTR	Management Technical Review
NAS	Numerical Aerospace Simulation
NASA	National Aeronautics and Space Administration
NASDA	National Space Development Agency
NCAR	National Center for Atmospheric Research
NCCS	NASA Center for Computational Sciences
NCEP	National Center for Environmental Prediction
NDSC	Network for the Detection of Stratospheric Change
NESDIS	National Environmental Satellite Data and Information Service
NGI	Next Generation Internet
NGIMS	Neutral Gas and Ion Mass Spectrometer
NIEHS	National Institute of Environmental Health Sciences
NIIEM	Russian Scientific Research Institute of Electromechanics
NIST	National Institutes of Standards and Technology
NIWA	National Institute of Water and Atmospheric Research
NMNH	National Museum of Natural History
NMS	Neutral Mass Spectrometer
NOAA	National Oceanic Atmospheric Administration
NOAA CMDL	NOAA Climate Monitoring and Diagnostics Laboratory
NPOESS	National Polar Orbiting Environmental Satellite System
NPP	NPOESS Preparatory Project
NRC	National Research Council
NSCAT	NASA Scatterometer
NSF	National Science Foundation
NSIPP	NASA Seasonal-to-Interannual Prediction Project
NTSC	National Television Standards Committee
NWP	Numerical Weather Prediction
NWS	National Weather Service
OAT	Operation Algorithm Team
ODIN	a Swedish small satellite project for astronomical and atmospheric research
OLR	Outgoing Longwave Radiation
OMI	Ozone Monitoring Instrument
OMPS	Ozone Mapper and Profiler System
OSIRIS	ODIN Spectrometer and IR Imager System
OSSE	Observing System Simulation Experiment
PI	Principal Investigator
PICASSO- CENA	Pathfinder Instruments for Cloude and Aerosol Spaceborne Observations-Climatologie Etendue des Nuages et des Aerosols
PLACE	Parameterization for Land Atmosphere Cloud Exchange
POAM	Polar Ozone and Aerosol Measurement
POES	Polar Orbiting Environmental Satellite

PR	Precipitation Radar
PRESTORM	Oklahoma-Kansas Preliminary Regional Experiment for STORM-Central
PRiDE	Puerto Rico Dust Experiment
PSAS	Physical-space Statistical Analysis System
PSC	Polar stratospheric clouds
QEM	Quality Education for Minorities
QuikSCAT	(NASA's) Quick Scatterometer satellite
QuikTOMS	spacecraft rapidly developed by Orbital Sciences Corp. to carry TOMS-5
RASL	Raman Airborne Spectroscopic Lidar
RCDF	Radiometric Calibration and Development Facility
RDAS	Retrospective data assimilation system
RTOP	Research and Technology Objectives and Plans
RTOVS	Revised TIROS-N Operational Vertical Sounder
SAFARI	Southern Africa Fire-Atmosphere Research Initiative
SAGE	Stratospheric Aerosol and Gas Experiment
SBIR	Small Business Innovative Research
SBUV	Solar Backscatter Ultraviolet
SBUV/2	Solar Backscatter Ultraviolet/version 2
SCIAMACHY	Scanning Imaging Absorption Spectrometer for Atmospheric Cartography
SCO	stratospheric column ozone
SCSMEX	South China Sea Monsoon Experiment
SeaWiFS	Sea-viewing Wide Field-of-View Sensor
SHADOZ	Southern Hemisphere ADDitional OZonesondes
SIMBIOS	Sensor Intercomparison and Merger for Biological and Interdisciplinary Oceanic Studies
SLP	Sea Level Pressure
SMART	Surface Measurements for Atmospheric Radiative Transfer
SMir	Scanning Microwave Radiometer
SOARS	Significant Opportunities in Atmospheric Research and Science
SOAT	Sounder Operation Algorithm Teams
SOLAS	Surface Ocean Lower Atmosphere Studies
SOLSE/LORE	Shuttle Ozone Limb Sounding Experiment/Limb Ozone Retrieval Experiment
SOLVE	SAGE III Ozone Loss and Validation Experiment
SORCE	SOlar Radiation and Climate Experiment
SPANDAR	Space Range Radar, Wallops Island, VA
SPCZ	South Pacific Convergence Zone
SPIE	Society of Photo-Optical Instrumentation Engineers
SPRL	Space Physics Research Laboratory
SRL	Scanning Raman Lidar
SRT	Sounder Research Team
SSBUV	Shuttle Solar Backscatter Ultraviolet
SSE	Space Science Enterprise
SSM/I	Special Sensor Microwave Imager
SST	sea surface temperature
SSU	Spectral Sensor Unit
STAAC	Systems, Technology, and Advanced Concepts Directorate

2001 ACRONYMS

STROZ LITE	Stratospheric Ozone Lidar Trailer Experiment
STS	Space Transportation System
TCO	tropospheric column ozone
THOR	cloud THickness from Offbeam Returns
3S	Sun-Sky-Surface photometer
TIMED	Thermosphere Ionosphere Mesosphere Energetics and Dynamics
TIROS	Television Infrared Observation Satellite
TMI	TRMM Microwave Imager
TOGA-COARE	Tropical Ocean Global Atmosphere-Coupled Ocean Atmosphere Response Experiment
TOMS	Total Ozone Mapping Spectrometer
TOMS3-F	Total Ozone Measurements by Satellites, Sondes, and Spectrometers at Fairbanks
TOPEX	Topography Experiment
TOVS	TIROS Operational Vertical Sounder
TPW	total precipitable water
TRACE-P	TRAnsport and Chemical Evolution over the Pacific
TRMM	Tropical Rainfall Measuring Mission
TRMM LBA	Large Scale Biosphere-Atmosphere Experiment in Amazonia
TSVO	TRMM Satellite Validation Office
UARS	Upper Atmosphere Research Satellite
UAV	Unmanned Aerial Vehicle
UCAR	University Corporation for Atmospheric Research
UCLA	University of California - Los Angeles
UHI	Urban Heat Island
UMBC	University of Maryland Baltimore County
UMCP	University of Maryland College Park
URF	University Research Foundation
USRA	Universities Space Research Association
USWRP	U.S. Weather Research Program
UV	ultraviolet
UV-B	ultraviolet-B radiation
VAL	Visualization Analysis Laboratory
VSEP	Visiting Student Enrichment Program
WCRP	World Climate Research Programme
WMO	World Meteorological Organization
WMO/UNEP	WMO/United Nations Environment Programme
WVTs	Water vapor tracers